

FIG. 1

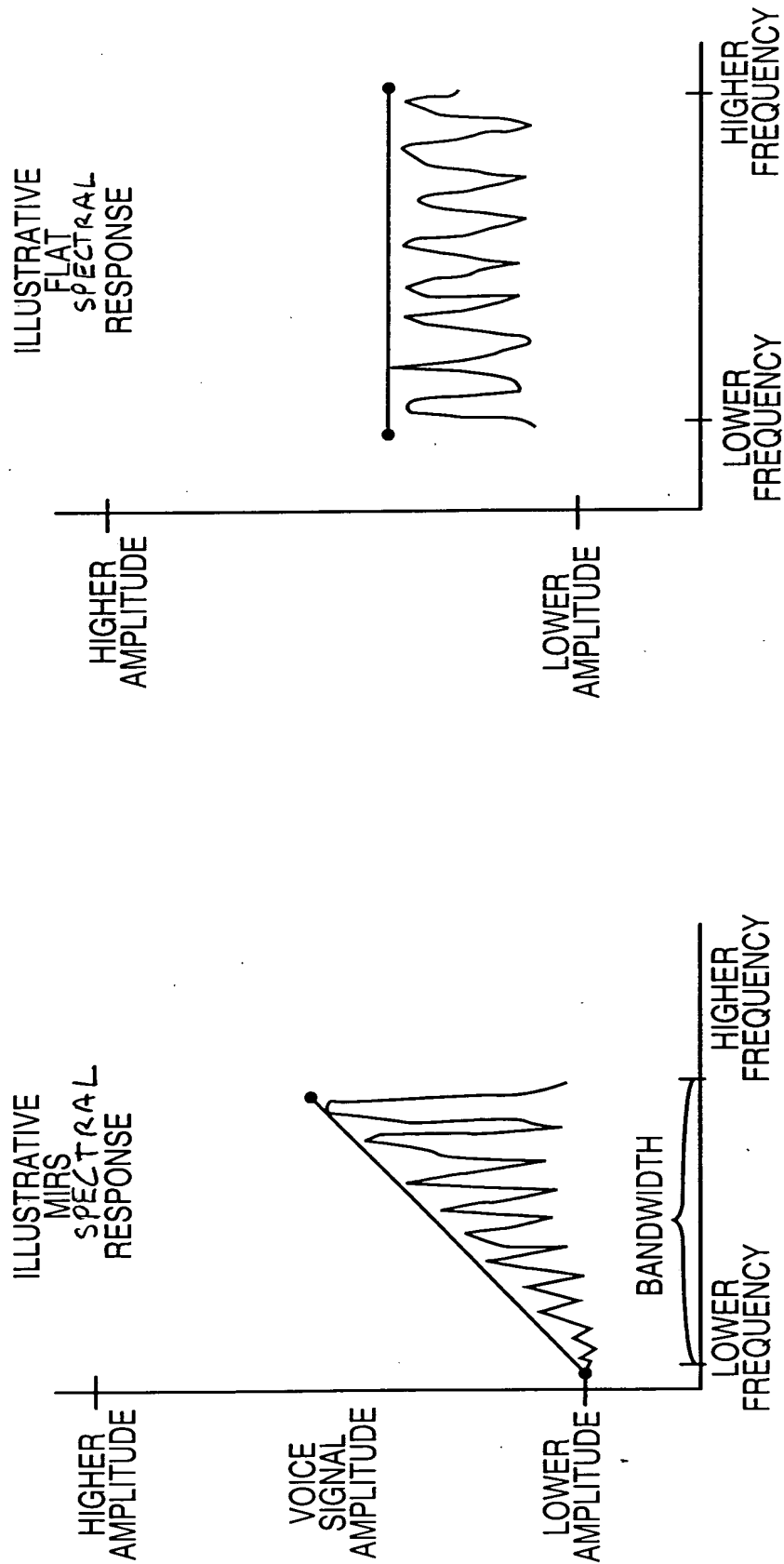


FIG. 2A

FIG. 2B

911

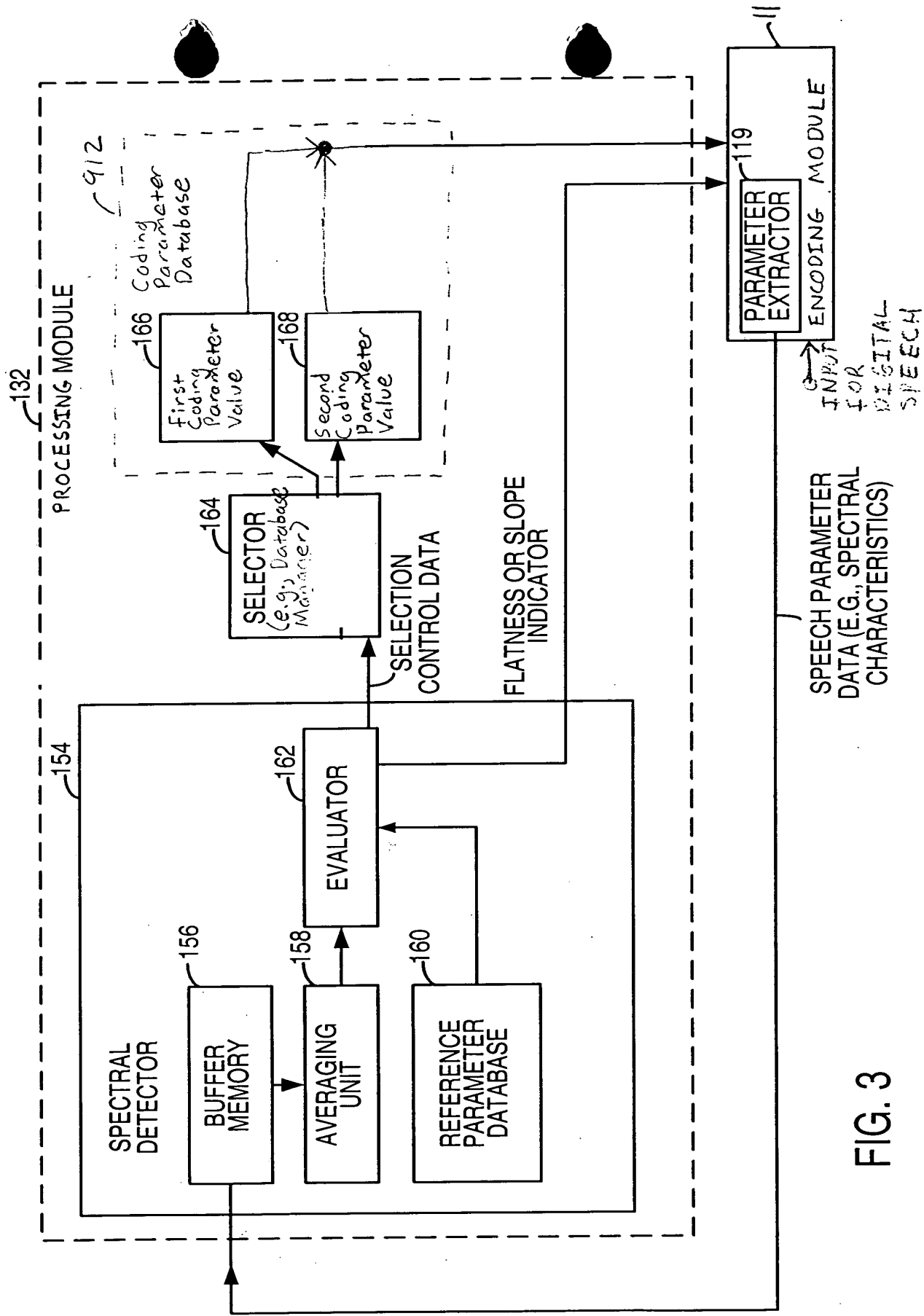


FIG. 3

S10  
ASSUME THE SPECTRAL RESPONSE OF A SPEECH SIGNAL IS SLOPED IN ACCORDANCE WITH A DEFINED CHARACTERISTIC SLOPE (E.G., AN MIRS SIGNAL RESPONSE).

S12  
ACCUMULATE SAMPLES (E.G., FRAMES) OF THE SPEECH SIGNAL OVER AT LEAST A MINIMUM SAMPLING DURATION (E.G., 2-4 SECONDS)

S14  
AVERAGE THE ACCUMULATED SAMPLES ASSOCIATED WITH THE MINIMUM SAMPLING DURATION TO OBTAIN AN AVERAGED REPRESENTATIVE SAMPLE.

S16  
COMPARE THE AVERAGED REPRESENTATIVE SAMPLE TO REFERENCE DATA IN A REFERENCE DATABASE OF SPECTRAL CHARACTERISTICS, INCLUDING AT LEAST ONE OF THE DEFINED CHARACTERISTIC SLOPE AND A FLAT SPECTRAL RESPONSE.

S18  
DOES A SLOPE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL CONFORM TO THE DEFINED CHARACTERISTIC SLOPE AS DETERMINED BY THE COMPARISON?

YES  
S20  
SELECT AT LEAST ONE FIRST CODING PARAMETER VALUE ASSOCIATED WITH THE DEFINED CHARACTERISTIC SLOPE.

S21  
APPLY THE AT LEAST ONE FIRST CODING PARAMETER VALUE TO CODING OF THE SPEECH SIGNAL

S22  
IS THE SPECTRAL RESPONSE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL GENERALLY FLAT AS DETERMINED BY THE COMPARISON?

S23  
YES  
SELECT AT LEAST ONE SECOND CODING PARAMETER VALUE ASSOCIATED WITH THE FLAT SPECTRAL RESPONSE.

S24  
APPLY THE AT LEAST ONE SECOND CODING PARAMETER VALUE TO CODING OF THE SPEECH SIGNAL.

S26  
END

FIG. 4

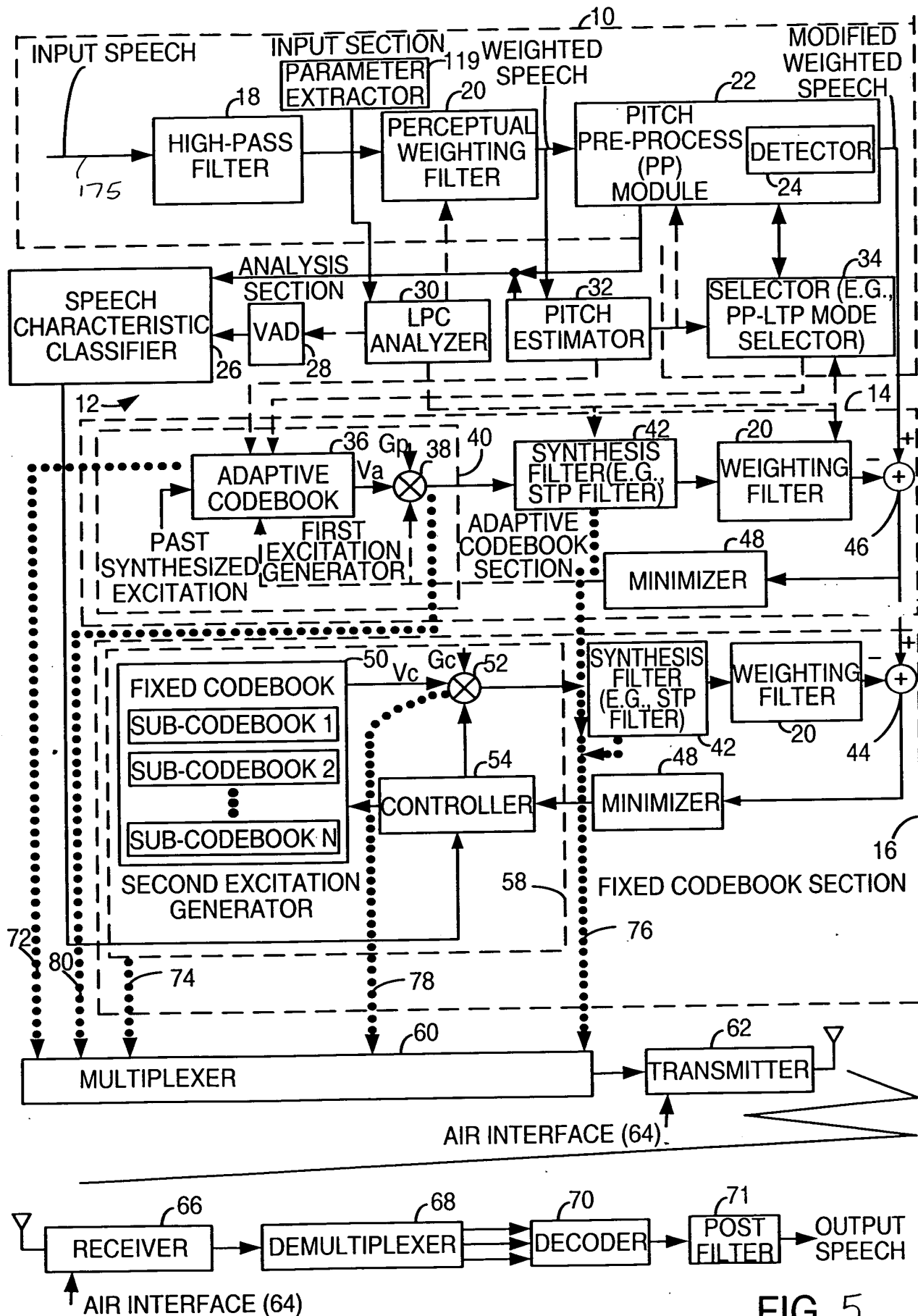


FIG. 5

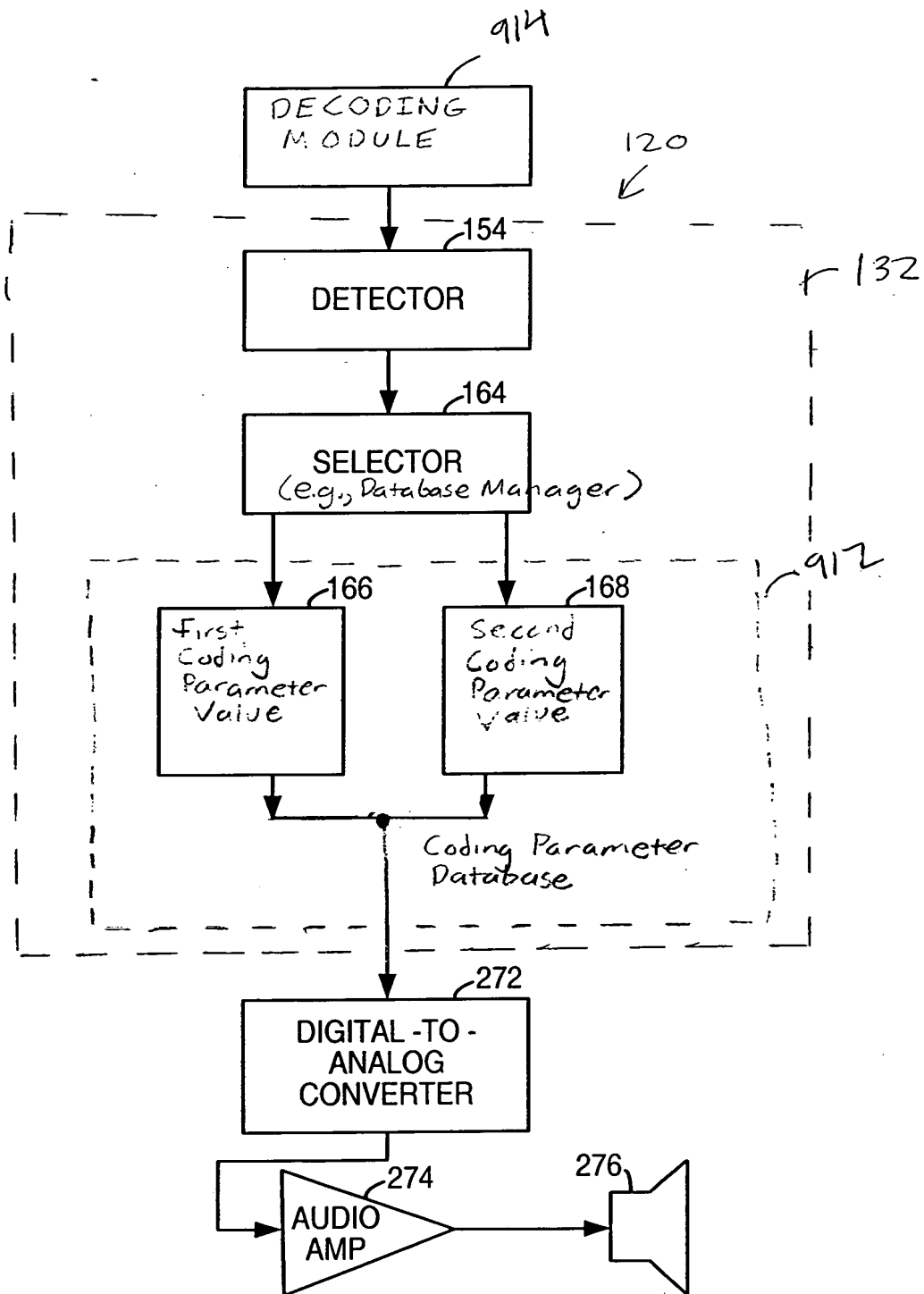


FIG. 6

